

## Device for continuous welding of strips and/or sheet metal.

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#### Cited documents:

DE3407417  
DE2708040  
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Abstract not available for EP0299358

Abstract of corresponding document: [US4872940](#)

The invention relates to an apparatus for the continuous butt welding of strips and sheets by laser beams. The sheets or strips 1,2 are moved together in abutment and retained in the same level by tension rollers 3,4 on both sides and right and left of the welding gap. On at least one side of the strips or sheets the tension roller 3 comprises a hollow shaft 9,10 and roller shells 13, 14 pivotably mounted thereon. Both the hollow shaft 9,10 and the roller shells 13, 14 are formed with an aperture 18a, 18b through which the laser beam 25 of a welding head 19 disposed inside the hollow shaft 9,10 extends. The welding head 19 is so aligned that the focused laser beam 25 impinges through the apertures 18a, 18b in the hollow shaft 9,10 and the roller shells 13,14 on to the welding gap in the clamped zone of the strips or sheets 1,2.

